

PROPORTIONALITY AND PRICE

PRICE AND SIZE

It is evident that the price is directly proportional to the amount of the commodity.

The price is always linked to the weight, the length,...

We are going to use some information to check if the proportionality is always the rule to value a product.

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ESTUDIO DE FOTOGRAFIA
Avda. de París nº8 - Telf: 927231138
24 Fotos 10x15.....6,78 €.
24 Fotos 13x18.....8,64 €.
CENTRO COMERCIAL RUTA DE LA PLATA
C/ Londres
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C/ Ambarés
OFERTA LIMITADA
Revelado, Álbum, Copia Índice e IVA INCLUIDOS

As you would realize this is a flyer about photography.

1. What do you think about the price, is it proportional to the side of the photo? Remember the rectangle area is base · height. You have only to divide the price into the surface area and check if the quotient is the same.
2. If the answer is negative, what would the price be for the 13 x 18 in a proportional sense if you take as reference the price for the 10 x 15?

PRICE AND DIAMETER

Here are three different pizzas. And here are the different prices:

Individual \$3.4

Medium \$8.9

Family \$9.9



The figures in the picture are the diameter length in inches.

1. You have to do a research about the proportionality. That is, is there proportionality between the price and the size? Notice the price would be proportionality to the surface area. Remember the circle area is $\pi \cdot r^2$. So, first, you have to work out the area for each and after check if the price is proportional to the area. You can do that by dividing the price and the area. On this way you get the price for squared inch.
2. If you take the personal size as reference, what would the prices be for the others?